

Monthly Reporting

Report from 01 October 2018 to 31 October 2018

Report for Resource Pool XC on ARCHER

A total of 1,319,543.997 kAU were available during this period.

Use and Allocations (by Project)

In the following table, Charged refers to usage which was charged against the project Allocation; whereas Used refers to usage including uncharged time. Uncharged time can arise from use of the Low Priority queue and/or during times when charging is disabled on the service.

The (Allocation) column is the time allocated to the project, scaled according to the reporting period and shown as a fraction of the available resources. If this report period is a sub-period of the Allocation period then the SAFE calculates the Allocation for this sub-period based on a linear spend profile of the total Allocation. If the usage for a project is not linear across the full Allocation period the the Use can be larger than the extrapolated Allocation.

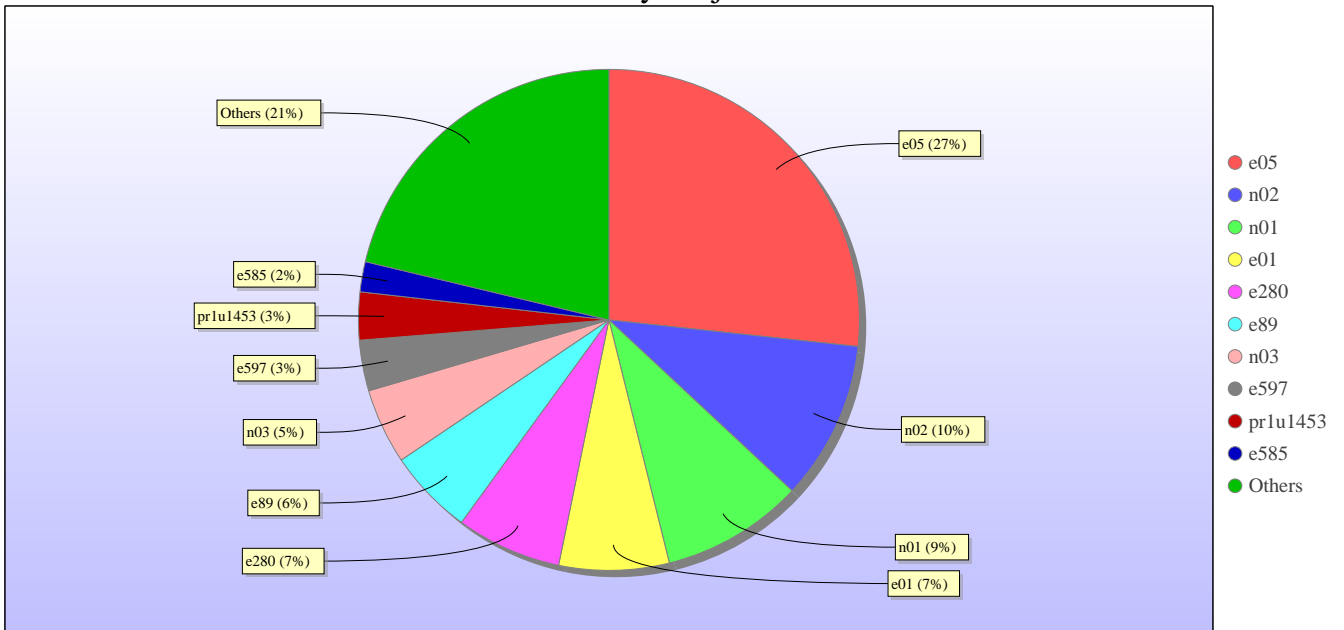
Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e01	Consortia	1,232	79,126.5	6.00%	83,306.9	6.31%	85,649.5	6.49%
e05	Consortia	8,962	299,341.3	22.69%	313,054.0	23.72%	229,662.5	17.40%
e89	Consortia	2,150	64,175.7	4.86%	64,891.4	4.92%	121,400.2	9.20%
e280	Consortia	4,546	79,724.7	6.04%	79,724.7	6.04%	42,372.5	3.21%
e281	Consortia	511	18,032.9	1.37%	18,034.5	1.37%	23,603.8	1.79%
e283	Consortia	583	9,337.8	0.71%	9,337.9	0.71%	14,155.7	1.07%
e305	Consortia	1,192	20,130.8	1.53%	20,131.3	1.53%	24,437.4	1.85%
e585	Consortia	620	22,826.8	1.73%	22,827.0	1.73%	25,583.8	1.94%
e462	Leadership Awards	190	4,441.2	0.34%	4,441.2	0.34%	6,949.9	0.53%
e464	Leadership Awards	0	0.0	0.00%	0.0	0.00%	5,094.6	0.39%
e507	Leadership Awards	137	21,558.9	1.63%	21,770.9	1.65%	7,607.5	0.58%
e510	Leadership Awards	33	312.3	0.02%	312.3	0.02%	8,161.6	0.62%
e526	Leadership Awards	0	0.0	0.00%	0.0	0.00%	8,433.3	0.64%
e572	Leadership Awards	88	343.2	0.03%	343.2	0.03%	2,543.8	0.19%
c01	Class1a	280	1,478.0	0.11%	1,485.4	0.11%	6,346.4	0.48%
e291	Class1a	0	0.0	0.00%	0.0	0.00%	165.1	0.01%
e341	Class1a	2	43.2	0.00%	43.2	0.00%	2,132.0	0.16%
e365	Class1a	0	0.0	0.00%	0.0	0.00%	2,380.7	0.18%
e403	Class1a	0	0.0	0.00%	0.0	0.00%	8,634.1	0.65%
e432	Class1a	32	4,924.6	0.37%	4,924.6	0.37%	9,794.5	0.74%
e448	Class1a	1,188	8,437.3	0.64%	8,477.3	0.64%	33,613.5	2.55%
e480	Class1a	3	0.0	0.00%	0.0	0.00%	1,362.7	0.10%
e514	Class1a	0	0.0	0.00%	0.0	0.00%	514.4	0.04%
e515	Class1a	118	1,245.1	0.09%	1,245.2	0.09%	1,686.7	0.13%
e516	Class1a	32	0.9	0.00%	0.9	0.00%	6,557.3	0.50%
e517	Class1a	0	0.0	0.00%	0.0	0.00%	137.2	0.01%
e518	Class1a	0	0.0	0.00%	0.0	0.00%	1,364.5	0.10%
e519	Class1a	109	18,437.0	1.40%	18,437.2	1.40%	15,350.3	1.16%
e520	Class1a	5	215.9	0.02%	215.9	0.02%	4,251.7	0.32%
e523	Class1a	38	14,994.6	1.14%	14,994.7	1.14%	8,433.3	0.64%
e527	Class1a	23	2,579.1	0.20%	2,579.1	0.20%	1,855.3	0.14%
e530	Class1a	48	3,065.7	0.23%	3,065.7	0.23%	1,137.6	0.09%
e537	Class1a	665	3,298.5	0.25%	3,348.9	0.25%	3,757.5	0.28%
e558	Class1a	0	0.0	0.00%	0.0	0.00%	765.4	0.06%
e569	Class1a	0	0.0	0.00%	0.0	0.00%	1,991.0	0.15%
e571	Class1a	0	0.0	0.00%	0.0	0.00%	169.6	0.01%

Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e575	Class1a	0	0.0	0.00%	0.0	0.00%	2,400.5	0.18%
e580	Class1a	0	0.0	0.00%	0.0	0.00%	2,472.3	0.19%
e584	Class1a	89	435.3	0.03%	435.3	0.03%	1,394.3	0.11%
e588	Class1a	26	56.6	0.00%	56.6	0.00%	1,684.8	0.13%
e605	Class1a	60	2,954.2	0.22%	2,954.2	0.22%	1,356.7	0.10%
e606	Class1a	277	9,457.5	0.72%	9,457.5	0.72%	3,851.7	0.29%
e607	Class1a	0	0.0	0.00%	0.0	0.00%	5,116.8	0.39%
e608	Class1a	0	0.0	0.00%	0.0	0.00%	0.0	0.00%
e609	Class1a	0	0.0	0.00%	0.0	0.00%	9,380.7	0.71%
e554	Class1b	0	0.0	0.00%	0.0	0.00%	168.7	0.01%
e348	Direct Access: ARCHER RAP	228	3,564.8	0.27%	3,564.8	0.27%	5,277.6	0.40%
e545	Direct Access: ARCHER RAP	3	44.8	0.00%	44.8	0.00%	232.3	0.02%
e564	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	4,546.7	0.34%
e565	Direct Access: ARCHER RAP	585	408.1	0.03%	408.1	0.03%	4,891.3	0.37%
e566	Direct Access: ARCHER RAP	59	3,562.8	0.27%	3,563.2	0.27%	6,879.9	0.52%
e567	Direct Access: ARCHER RAP	100	1,615.9	0.12%	1,615.9	0.12%	5,130.8	0.39%
e590	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	1,667.6	0.13%
e593	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	7,588.3	0.58%
e595	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	3,375.9	0.26%
e596	Direct Access: ARCHER RAP	12	3,389.2	0.26%	3,389.2	0.26%	1,221.0	0.09%
e597	Direct Access: ARCHER RAP	21	38,421.5	2.91%	38,421.5	2.91%	10,127.7	0.77%
e599	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	4,263.4	0.32%
e601	Direct Access: ARCHER RAP	111	1,724.8	0.13%	1,724.8	0.13%	4,675.4	0.35%
e602	Direct Access: ARCHER RAP	104	676.9	0.05%	676.9	0.05%	1,881.0	0.14%
e603	Direct Access: ARCHER RAP	14	201.1	0.02%	201.1	0.02%	3,135.1	0.24%
e582	Instant Access	0	0.0	0.00%	0.0	0.00%	202.9	0.02%
e586	Instant Access	0	0.0	0.00%	0.0	0.00%	13.1	0.00%
e587	Instant Access	0	0.0	0.00%	0.0	0.00%	202.4	0.02%
e591	Instant Access	0	0.0	0.00%	0.0	0.00%	202.4	0.02%
e592	Instant Access	50	10.6	0.00%	10.6	0.00%	144.9	0.01%
e594	Instant Access	0	0.0	0.00%	0.0	0.00%	379.0	0.03%
e598	Instant Access	0	0.0	0.00%	0.0	0.00%	202.4	0.02%
e600	Instant Access	0	0.0	0.00%	0.0	0.00%	202.4	0.02%
e556	Training	10	0.0	0.00%	405.0	0.03%	2,600.4	0.20%
e573	Training	80	649.8	0.05%	649.8	0.05%	1,920.3	0.15%
e589	Training	168	432.1	0.03%	432.3	0.03%	3,053.3	0.23%
e604	Training	170	1,428.5	0.11%	1,534.1	0.12%	1,529.6	0.12%
y16	Service	0	0.0	0.00%	0.0	0.00%	141.7	0.01%
z17	Service	68	7,312.2	0.55%	7,312.2	0.55%	3,373.3	0.26%
EPSRC Total		25,022	754,418.8	57.17%	773,851.2	58.65%	824,945.8	62.52%
n01	Consortia	8,645	108,206.2	8.20%	107,595.8	8.15%	110,984.6	8.41%
n02	Consortia	24,083	120,196.7	9.11%	120,245.5	9.11%	170,091.3	12.89%
n03	Consortia	2,217	57,153.5	4.33%	57,153.5	4.33%	90,148.4	6.83%
NERC Total		34,945	285,556.4	21.64%	284,994.8	21.60%	371,224.3	28.13%
e568	Research	138	3,240.4	0.25%	3,240.4	0.25%	3,875.9	0.29%
BBSRC Total		138	3,240.4	0.25%	3,240.4	0.25%	3,875.9	0.29%
pr1u0002	Class1a	0	0.0	0.00%	0.0	0.00%	102.1	0.01%
pr1u0001	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	0.4	0.00%
pr1u1453	DECI: EXEC	243	36,196.9	2.74%	36,196.9	2.74%	8,568.6	0.65%

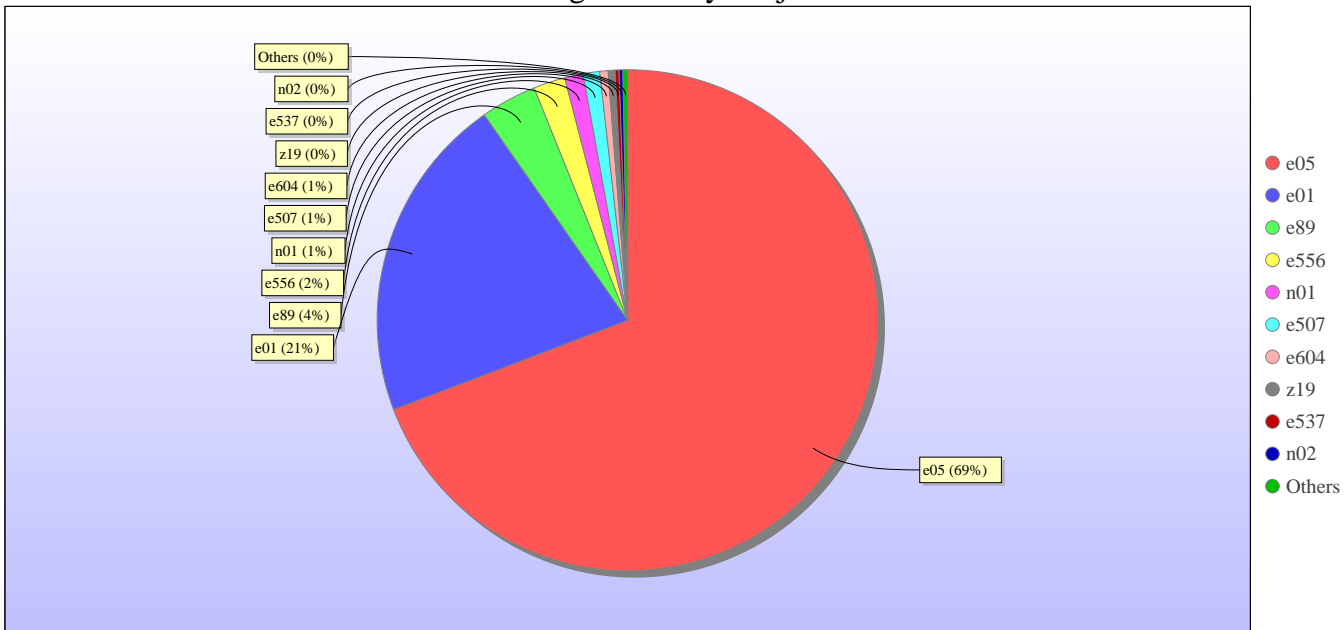
Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
pr1u1455	DECI: EXEC	117	4,384.3	0.33%	4,384.3	0.33%	974.7	0.07%
pr1utd01	DECI: EXEC	45	569.5	0.04%	569.5	0.04%	136.9	0.01%
pr1utd02	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	182.7	0.01%
pr1u1364	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.0	0.00%
pr1u1406	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
PRACE Total		405	41,150.7	3.12%	41,150.7	3.12%	9,965.4	0.76%
ecse1001	Consortia	92	233.3	0.02%	233.3	0.02%	550.4	0.04%
ecse0910	eCSE	1	0.0	0.00%	0.0	0.00%	51.1	0.00%
ecse0919	eCSE	0	0.0	0.00%	0.0	0.00%	35.3	0.00%
ecse1008	eCSE	0	0.0	0.00%	0.0	0.00%	123.3	0.01%
ecse1012	eCSE	10	0.0	0.00%	0.0	0.00%	61.5	0.00%
ecse1109	eCSE	1	0.0	0.00%	0.0	0.00%	41.1	0.00%
ecse1204	eCSE	0	0.0	0.00%	0.0	0.00%	22.1	0.00%
ecse1208	eCSE	89	19.7	0.00%	19.7	0.00%	56.5	0.00%
ecse1209	eCSE	12	1.4	0.00%	1.4	0.00%	89.3	0.01%
ecse1210	eCSE	51	45.3	0.00%	45.3	0.00%	743.1	0.06%
ecse1217	eCSE	0	0.0	0.00%	0.0	0.00%	17.3	0.00%
ecse1220	eCSE	0	0.0	0.00%	0.0	0.00%	39.6	0.00%
eCSE Total		256	299.7	0.02%	299.7	0.02%	1,830.6	0.14%
d43	ECDF	0	0.0	0.00%	0.0	0.00%	2,551.4	0.19%
d25	Research	0	0.0	0.00%	0.0	0.00%	425.2	0.03%
d35	Research	0	0.0	0.00%	0.0	0.00%	425.2	0.03%
d56	Research	526	4,157.2	0.32%	4,157.2	0.32%	6,746.7	0.51%
d60	Research	0	0.0	0.00%	0.0	0.00%	85.0	0.01%
d67	Research	0	0.0	0.00%	0.0	0.00%	297.7	0.02%
d71	Research	18	7,728.1	0.59%	7,728.1	0.59%	1,105.6	0.08%
d87	Research	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
d88	Research	28	5.3	0.00%	5.3	0.00%	13.4	0.00%
d100	Research	0	0.0	0.00%	0.0	0.00%	474.6	0.04%
d101	Research	0	0.0	0.00%	0.0	0.00%	552.8	0.04%
d107	Research	30	17.6	0.00%	17.6	0.00%	425.2	0.03%
d114	Research	371	4,563.5	0.35%	4,563.9	0.35%	9,038.7	0.68%
d118	Research	0	0.0	0.00%	0.0	0.00%	105.6	0.01%
d137	Research	139	826.8	0.06%	826.8	0.06%	2,551.4	0.19%
d142	Research	138	1,036.7	0.08%	1,036.7	0.08%	4,252.3	0.32%
d143	Research	40	683.9	0.05%	683.9	0.05%	2,558.4	0.19%
d145	Research	0	0.0	0.00%	0.0	0.00%	255.1	0.02%
d149	Research	0	0.0	0.00%	0.0	0.00%	636.0	0.05%
d150	Research	95	7,666.8	0.58%	7,666.8	0.58%	8,096.0	0.61%
d155	Research	1,512	1,158.8	0.09%	1,158.8	0.09%	3,571.9	0.27%
d166	Research	11	168.3	0.01%	168.3	0.01%	2,032.9	0.15%
d421	Research	70	13,493.7	1.02%	13,493.7	1.02%	1,644.5	0.12%
d426	Research	0	0.0	0.00%	0.0	0.00%	85.0	0.01%
d153	Industrial	138	26.9	0.00%	27.4	0.00%	1,254.4	0.10%
d156	Industrial	0	0.0	0.00%	0.0	0.00%	85.7	0.01%
d165	Industrial	0	0.0	0.00%	0.0	0.00%	42.5	0.00%
d168	Industrial	0	0.0	0.00%	0.0	0.00%	5.5	0.00%
i18	Industrial	33	2,613.7	0.20%	2,613.7	0.20%	2,936.6	0.22%
i20	Industrial	0	0.0	0.00%	0.0	0.00%	102.4	0.01%
i21	Industrial	1,370	10,451.3	0.79%	10,372.0	0.79%	10,117.7	0.77%
i200	Industrial	0	0.0	0.00%	0.0	0.00%	42.5	0.00%
i219	Industrial	0	0.0	0.00%	0.0	0.00%	42.5	0.00%
i225	Industrial	0	0.0	0.00%	0.0	0.00%	85.0	0.01%
i228	Industrial	0	0.0	0.00%	0.0	0.00%	70.1	0.01%
i232	Industrial	86	1,951.5	0.15%	1,951.5	0.15%	494.5	0.04%
x08	Industrial	0	0.0	0.00%	0.0	0.00%	1,020.5	0.08%
d74	Training	0	0.0	0.00%	0.0	0.00%	170.1	0.01%
d133	Training	0	0.0	0.00%	0.0	0.00%	42.6	0.00%
d167	Training	0	0.0	0.00%	0.0	0.00%	170.1	0.01%
d131	Service	33	32.8	0.00%	32.8	0.00%	255.1	0.02%
d134	Service	0	0.0	0.00%	0.0	0.00%	42.5	0.00%
d425	Service	0	0.0	0.00%	0.0	0.00%	2.0	0.00%
w16	Service	101	899.1	0.07%	899.1	0.07%	506.0	0.04%

Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
y02	Service	7	0.1	0.00%	0.1	0.00%	85.0	0.01%
y07	Service	38	0.0	0.00%	2.0	0.00%	8.5	0.00%
z02	Service	27	0.2	0.00%	0.2	0.00%	42.5	0.00%
z99	Service	27	0.5	0.00%	0.5	0.00%	8.5	0.00%
d84	UoE Seedcorn	0	0.0	0.00%	0.0	0.00%	85.0	0.01%
DirectorsTime Total		4,838	57,482.9	4.36%	57,406.5	4.35%	65,648.8	4.98%
y14	Training	0	0.0	0.00%	0.0	0.00%	595.3	0.05%
y21	Service	22	19.1	0.00%	19.1	0.00%	425.2	0.03%
z19	Service	354	11,730.6	0.89%	11,818.9	0.90%	5,953.2	0.45%
CSE Total		376	11,749.6	0.89%	11,837.9	0.90%	6,973.7	0.53%
Total		65,980	1,153,898.4	87.45%	1,172,781.2	88.88%	1,284,464.7	97.34%

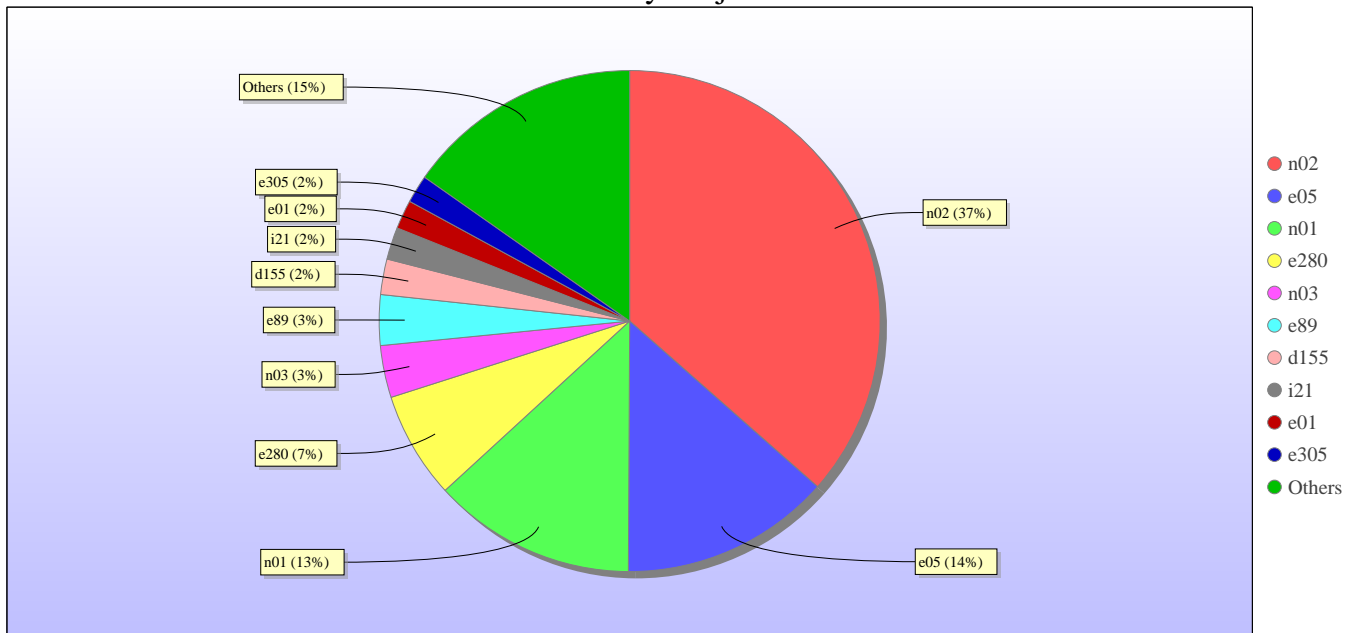
Use by Project



Uncharged Use by Project



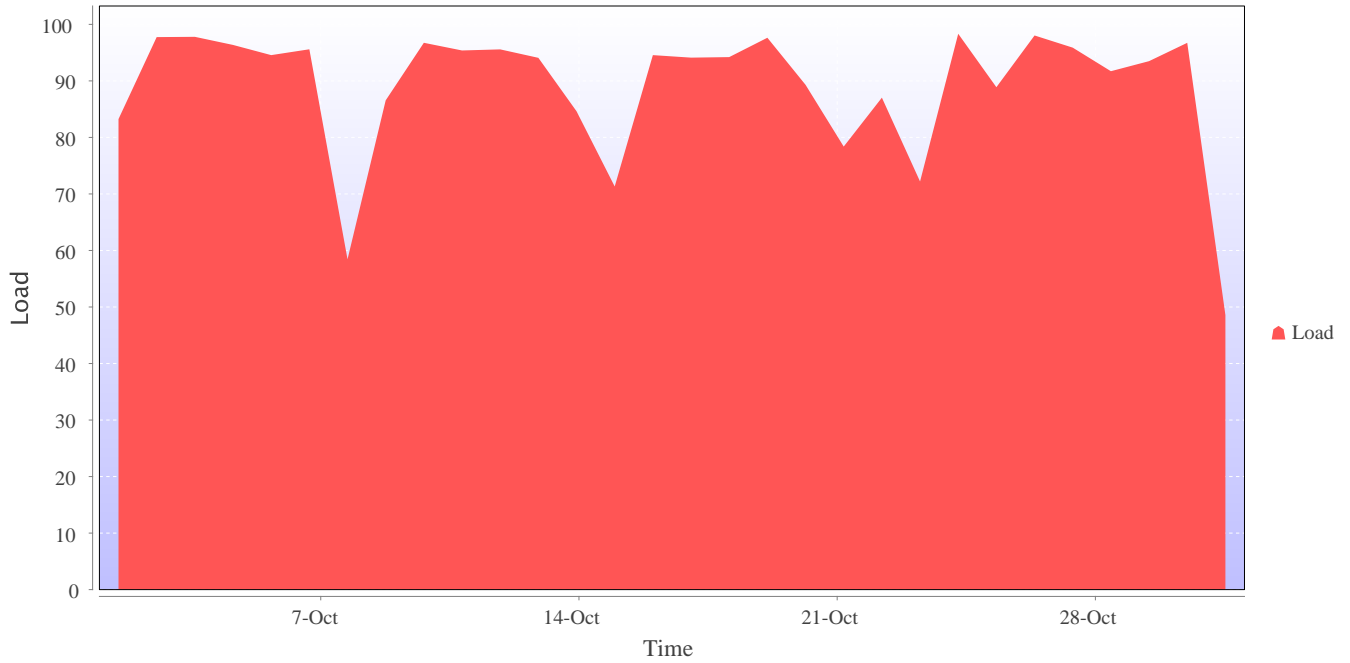
Jobs by Project



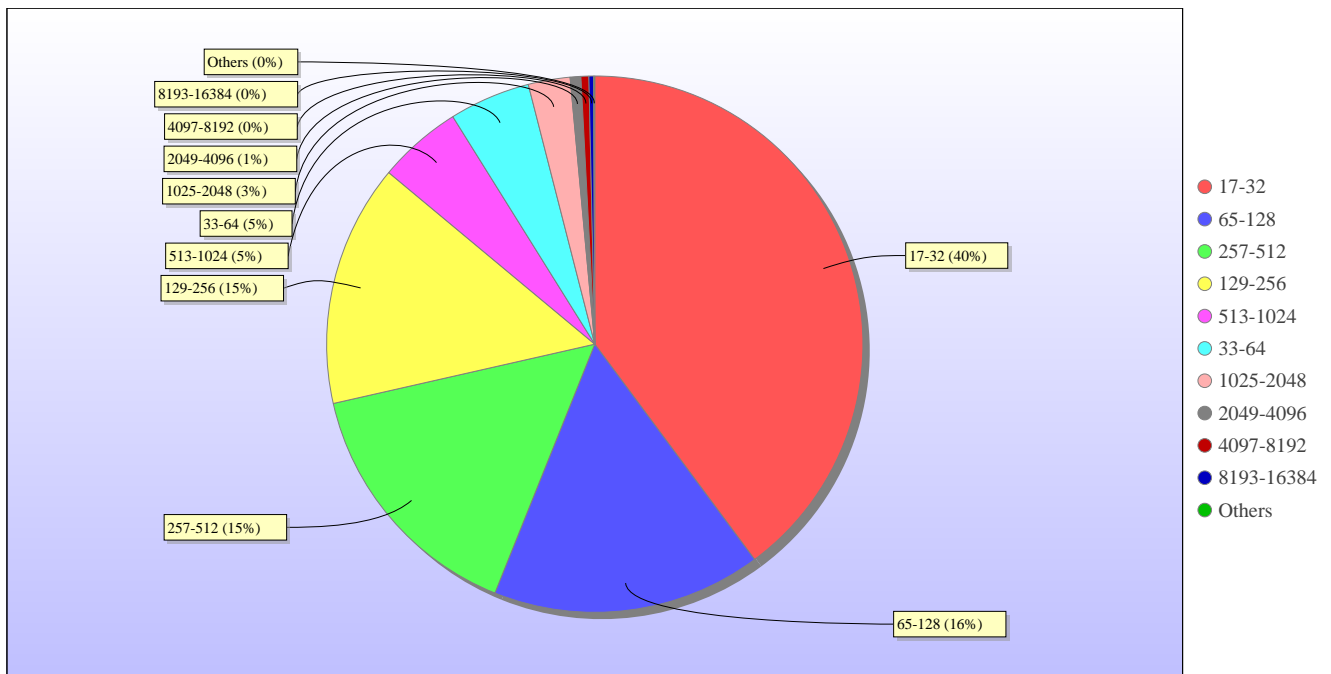
kAUs (by Size)

Size	kAUs	Number of Jobs
17-32	8,665.669	26,283
33-64	16,974.742	3,225
65-128	53,427.461	10,714
129-256	142,201.385	9,635
257-512	195,644.612	10,143
513-1024	186,506.759	3,344
1025-2048	180,115.307	1,664
2049-4096	70,240.952	424
4097-8192	140,028.517	314
8193-16384	93,797.947	184
16385-32768	25,064.541	33
32769-65536	38,326.67	13
65537-131072	106.675	1

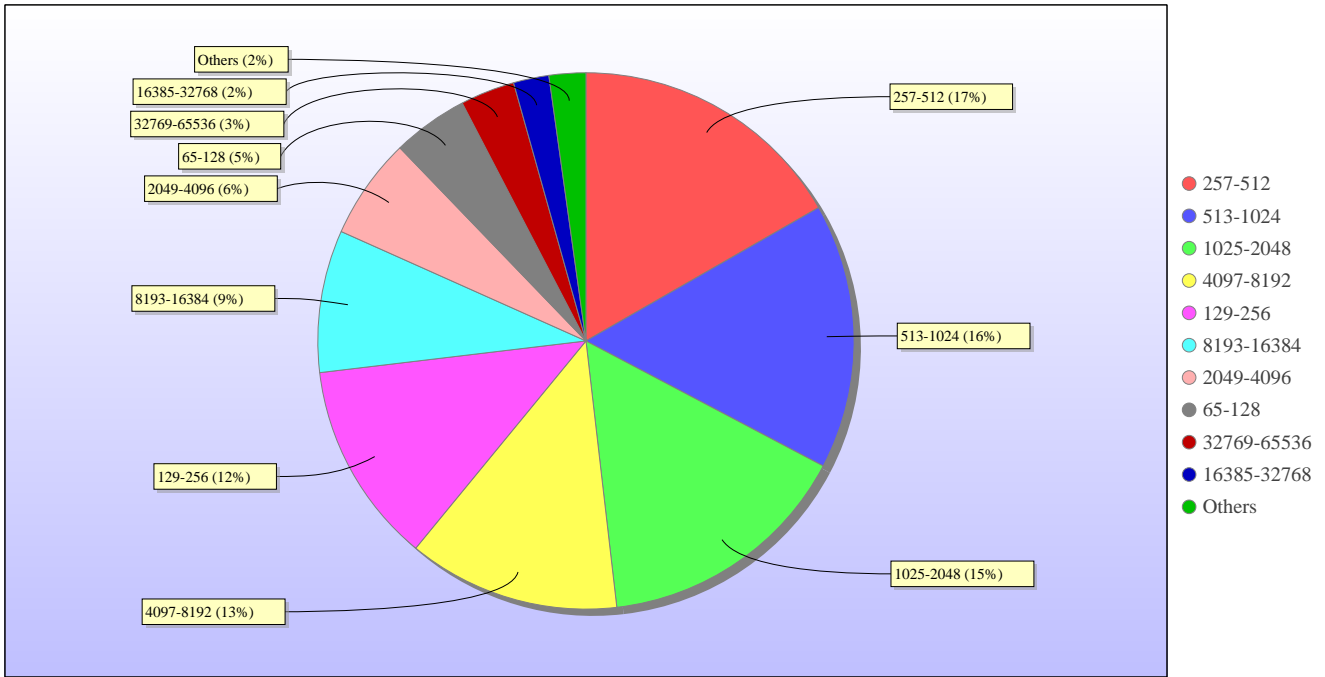
Load plots



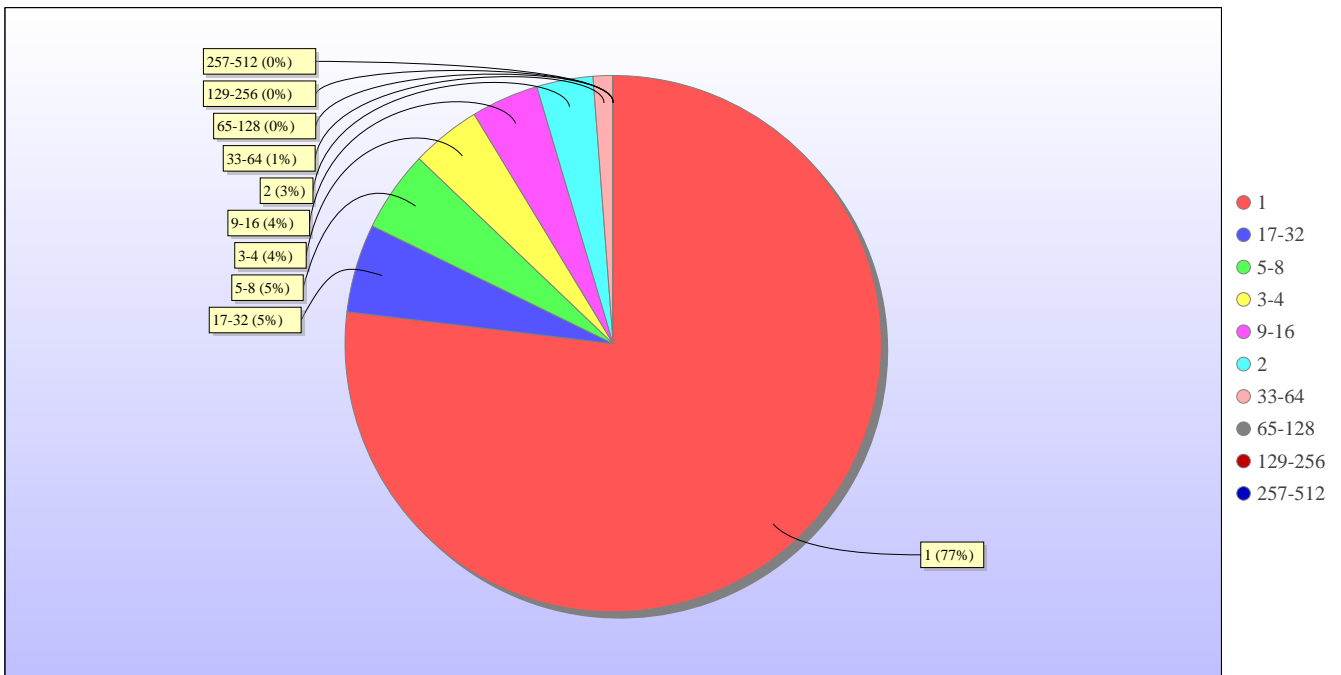
Percentage load on machine



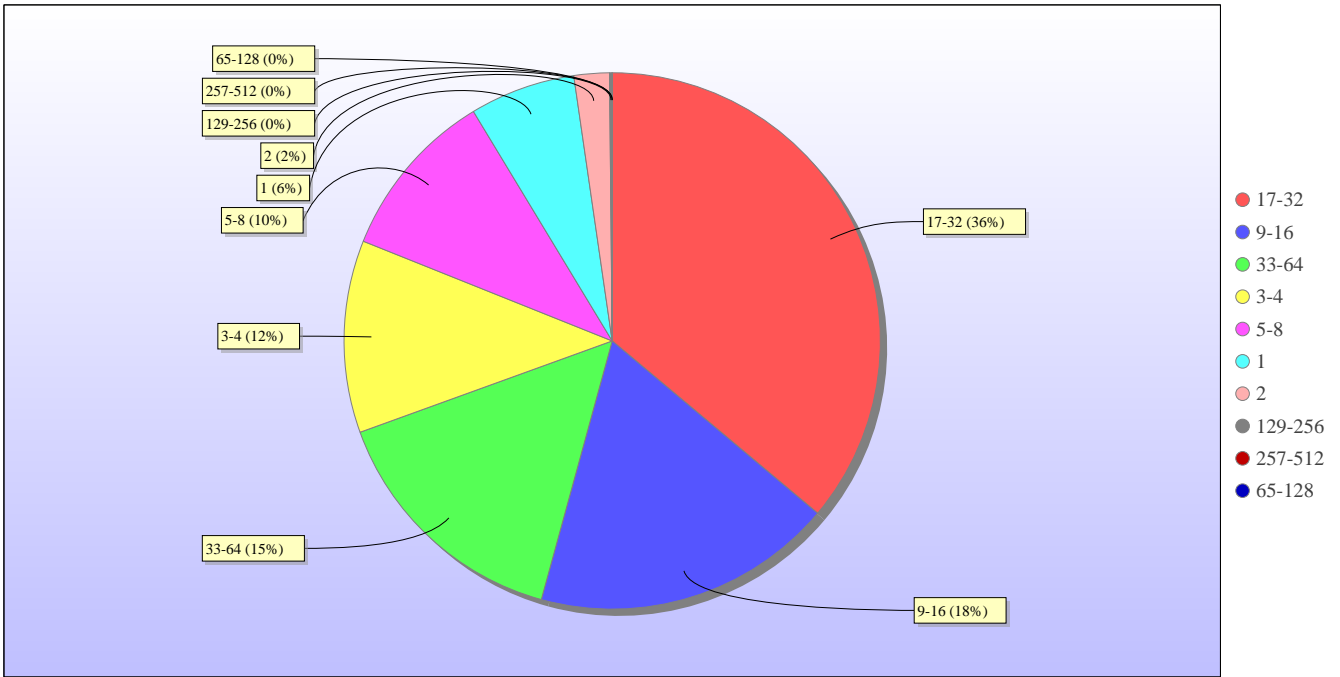
Jobs by Size



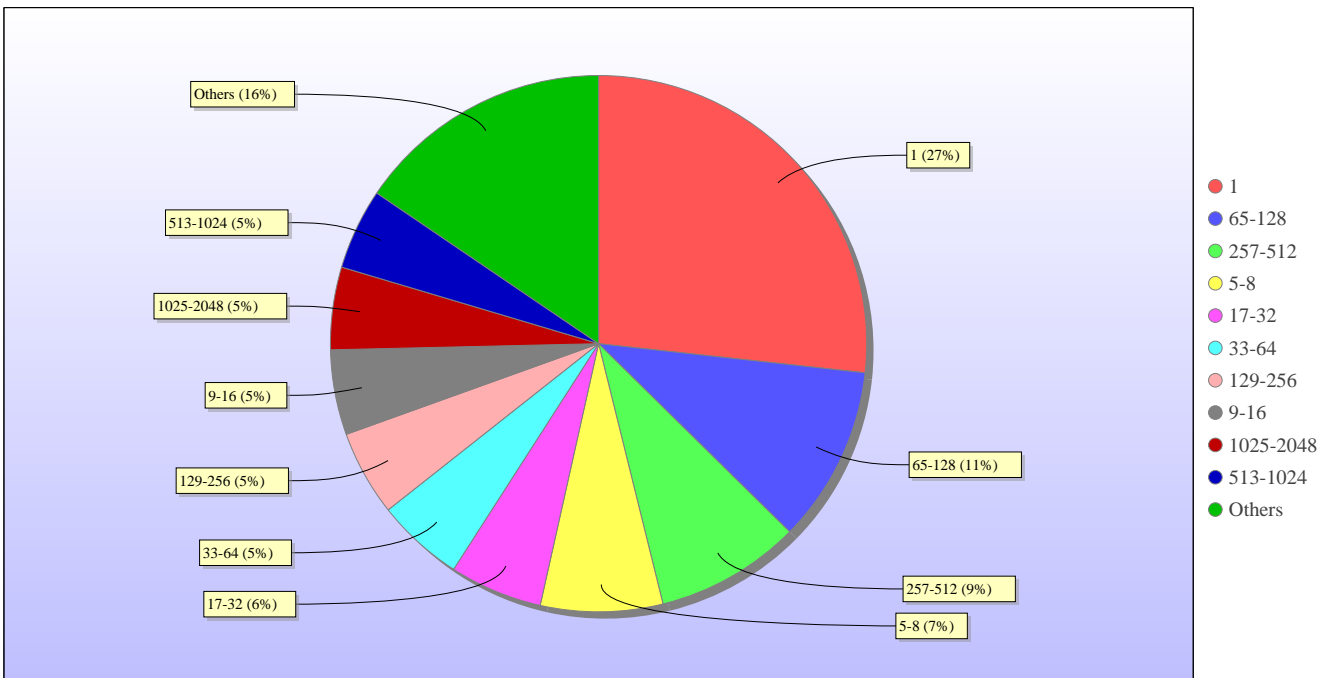
kAUs used by Size



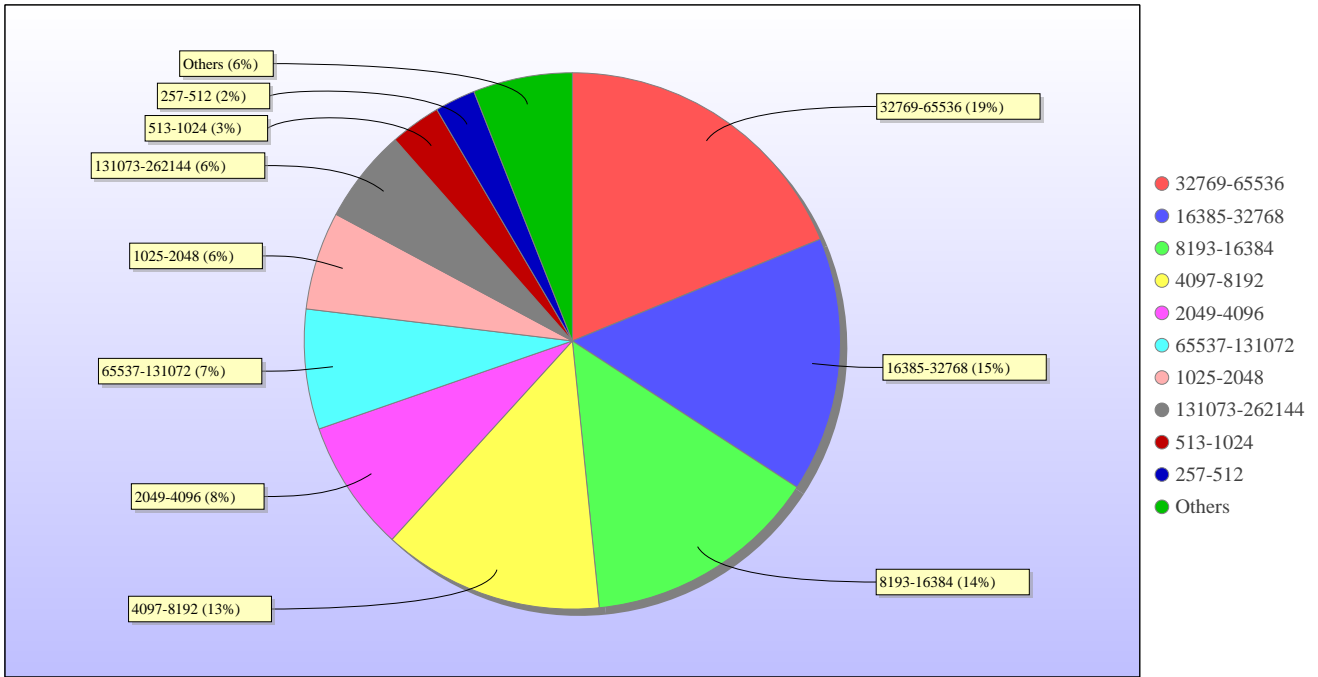
Jobs grouped by wall-clock-hours



kAUs used grouped by wall-clock-hours



Jobs grouped by core-hours

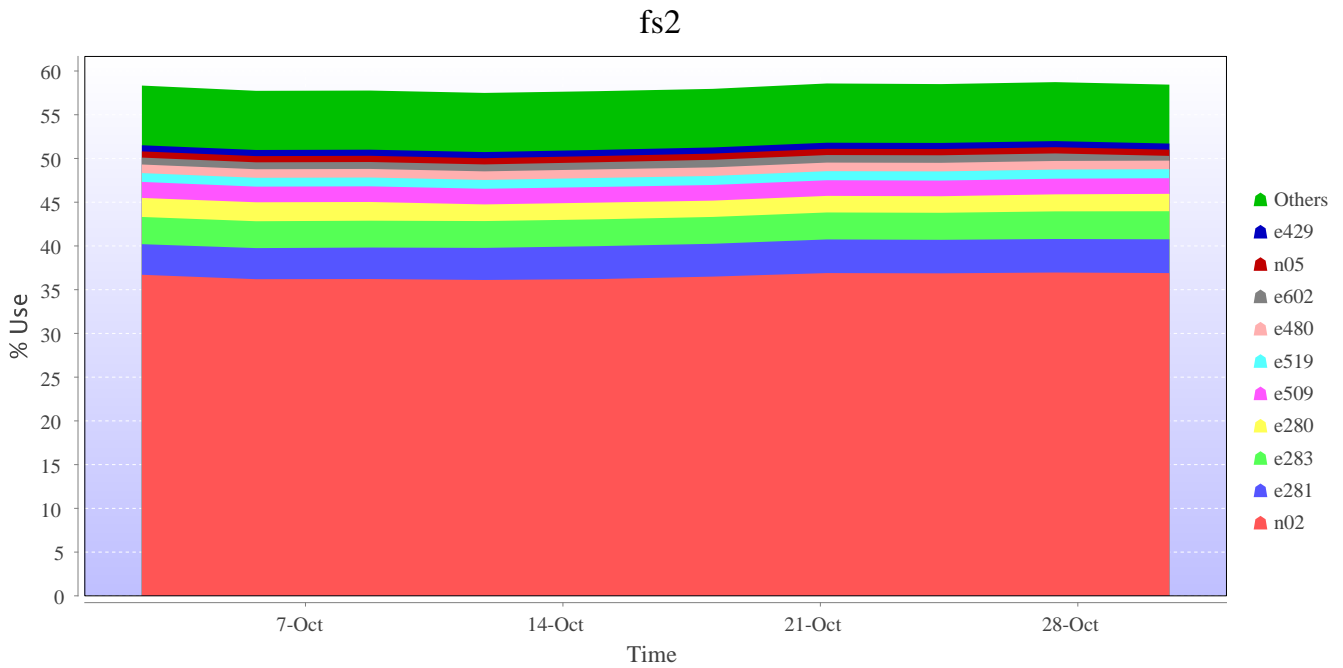


kAUs used grouped by core-hours

Disk usage

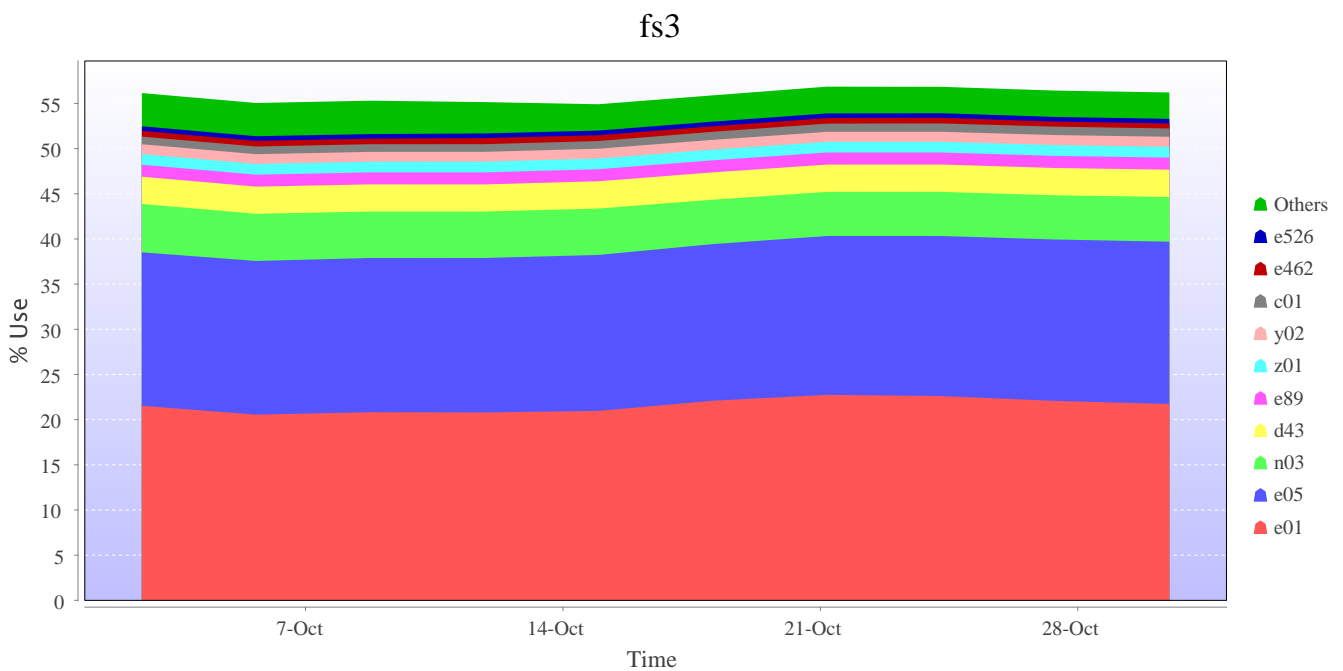
Disk usage for work (fs2)

This is a plot of Disk Use on fs2 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



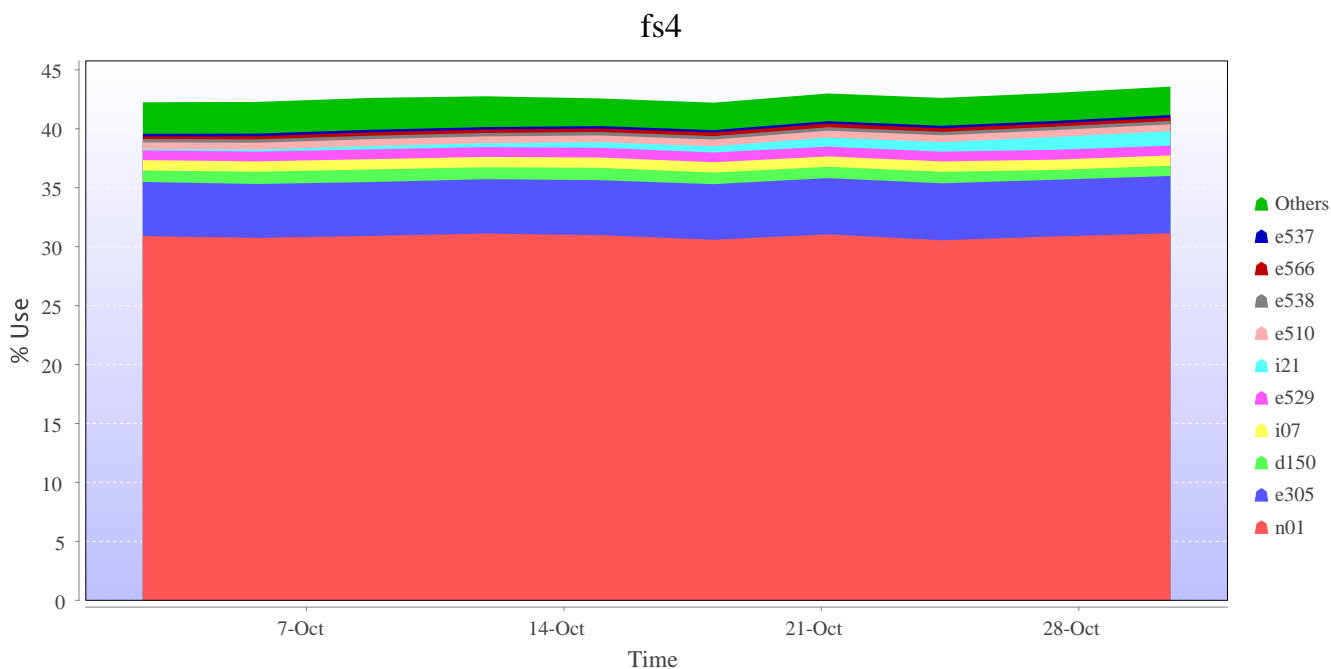
Disk usage for work (fs3)

This is a plot of Disk Use on fs3 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



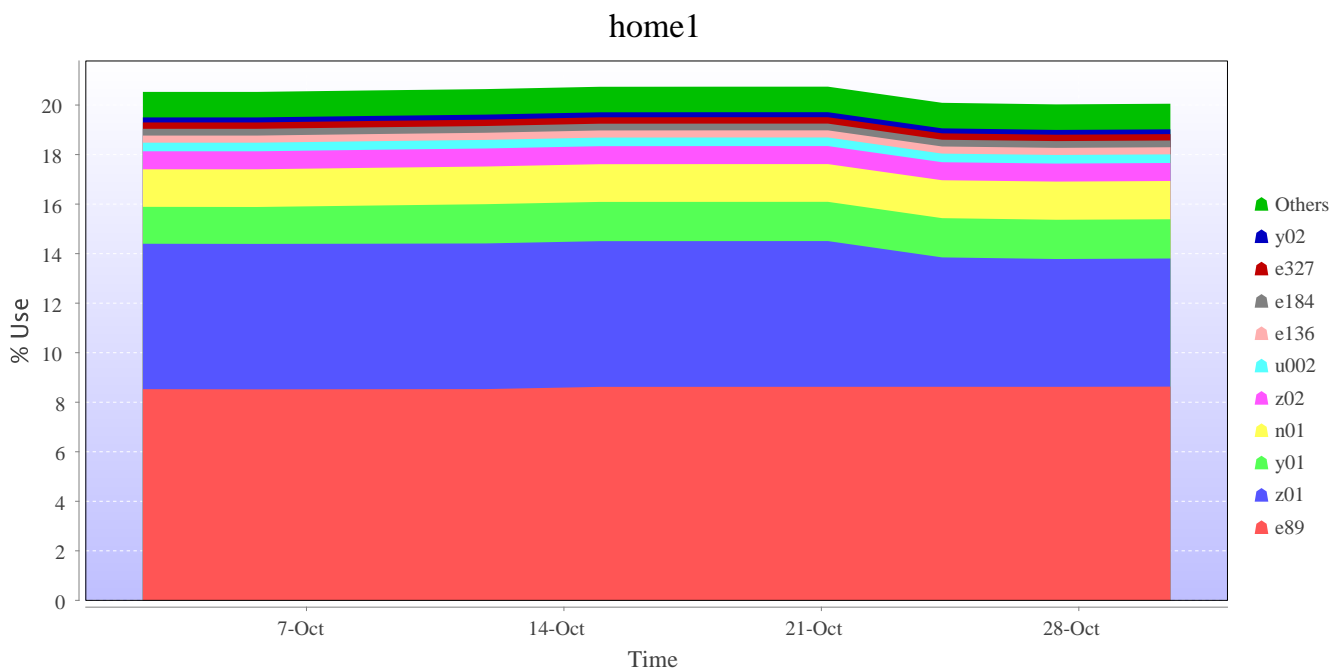
Disk usage for work (fs4)

This is a plot of Disk Use on fs4 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



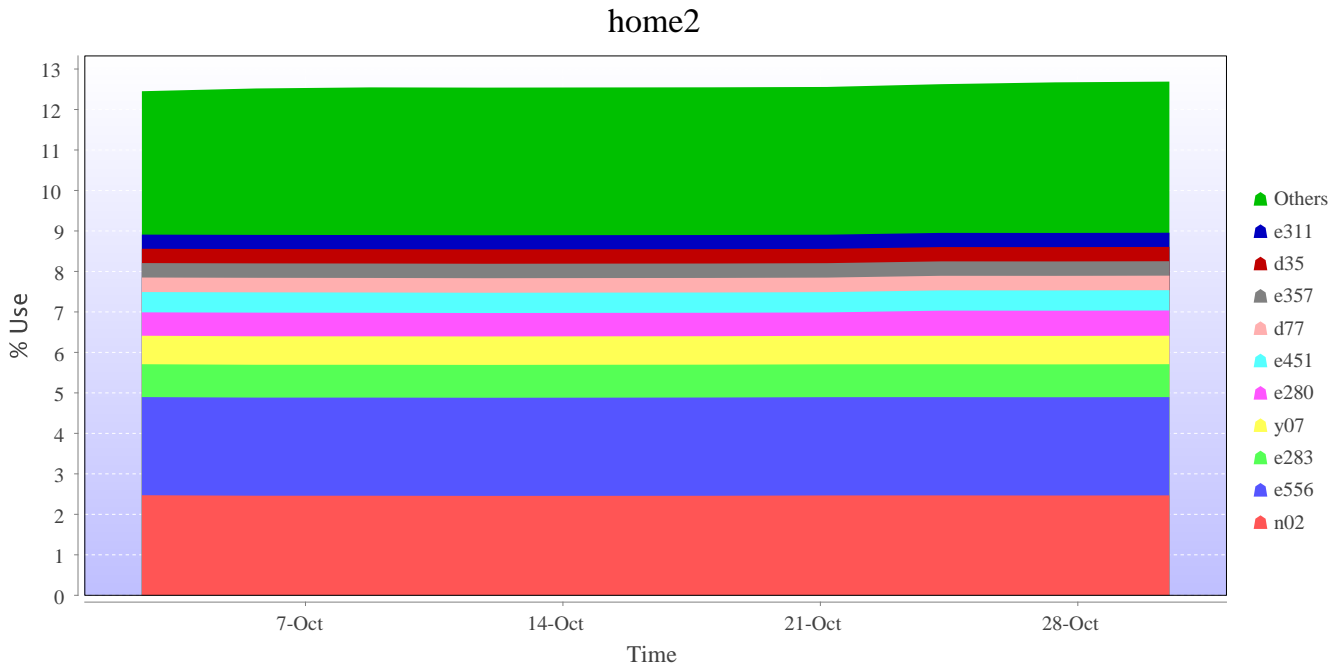
Disk usage for home (home1)

This is a plot of Disk Use on home1 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



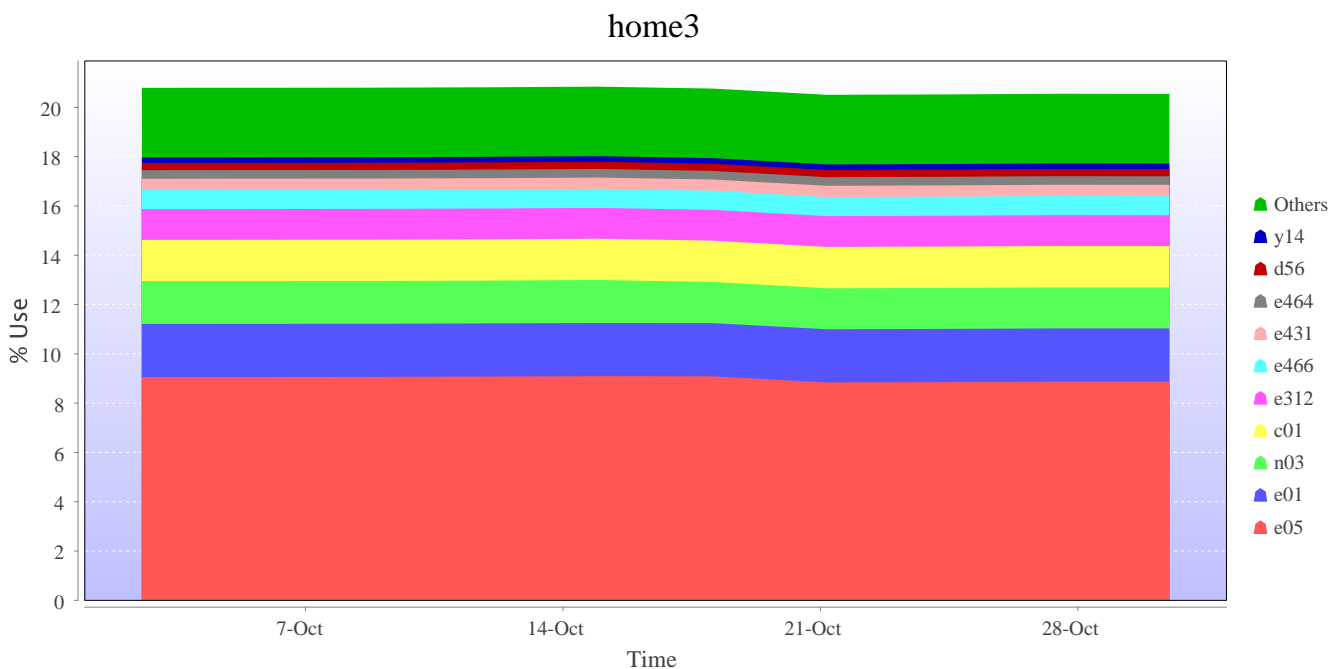
Disk usage for home (home2)

This is a plot of Disk Use on home2 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



Disk usage for home (home3)

This is a plot of Disk Use on home3 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



Disk usage for home (home4)

This is a plot of Disk Use on home4 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.

